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Patent Office
Canberra

I, JANENE PEISKER, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2003903947 for a patent by JOHN BARRY FINN and BRIAN DOUGLAS JENKINS as filed on 30 July 2003.

WITNESS my hand this
Twentieth day of November 2003

JANENE PEISKER
TEAM LEADER EXAMINATION
SUPPORT AND SALES

IP Australia
Patents·Trademarks·Designs

AUSTRALIA
Patents Act 1990

P/00/009
Regulation 3.2
Revised 12/98

Provisional Specification

Subject to the provisions of the Patents Act, information provided on this form may be made publicly available, including on the Internet

Invention Title

Water Distiller/ Water Heater

The invention is described in the following statement

The water distiller uses a purpose built stainless steel lid/section, it is round in shape when viewed from above and has a conical base and raised slopping sides and a turned out lip. The lid has been fitted to form the centre section of the base of the hot water heater tank. It operates in the following manner.

The holding container in which the raw water is boiled can be a pot or other suitable container provided it has a symmetrically round top. The stainless steel lid has been designed and constructed so that it will adapt to any container of suitable size, in particular it has been sized to fit securely onto commercially available hot water urns.

The boiling chamber is fitted with an internal collection container, it has a lid that has been designed to reduce the ingress of any suspended material carried in the wet steam. Once heat is applied the steam will rise to the underside of the lid/ apparatus and condensation will occur, due to the symmetrical shape of the lid/apparatus the collected droplets will run at a uniform rate and drop from the centre of the lid/apparatus into the collection container.

The heat transferred through the lid/apparatus is taken up by the cool water in the water heater tank, this inturn will rise to the top of the tank and be replaced at the bottom by the cooler water in the tank.

In the electric model, the power supply to the boiling chamber is controlled by the lower thermostat fitted to the hot water tank. The hot water tank is fitted with a booster element at the top of the tank, if the cold water reaches the top thermostat the booster element will maintain supply of hot water.

The heat source for the boiling chamber can also be gas or open fire.